ATOM
BUSKRO

With over 40 years of knowledge and experience, Buskro has become the trusted specialist in inkjet systems.

Self-Contained
Portable Print System

ATOM

Available in both solvent and UV configurations, the Atom delivers increased speeds and greater fluid choices than traditional TIJ printers at comparable prices.
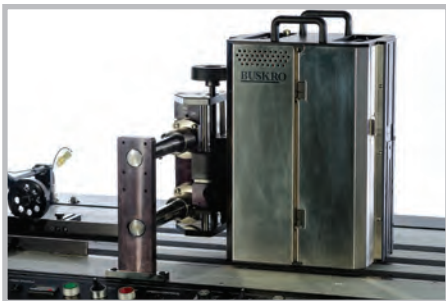

The Atom family of printing products leverages over 20 years of inkjet development experience, along with the proven print technology featured in our 2500 series printheads. The Atom is available in both standard configuration and the more powerful hybrid version that offers all of the capabilities of Buskro's fully-featured inkjet controllers.

Standard Atom

» Compose V10 Data and/or Layout + Laptop Downloadable setup and image
» Accepts serial communication for 3rd party controllers – RS232 or Ethernet option
» Speed dependent on layout size and content
» Limited text, graphics, and barcodes

Hybrid Atom

» Compose V10 Atlas or Master c/w PC Module.
» All optional Compose licences available
» Hybrid cable connects to IAM data port (4)
» Traditional speed capabilities for one or more Atoms
» Access to all Compose standard and advanced features

PORTABLE, POWERFUL, PROVEN TECHNOLOGY

These durable, self-contained units house internally all of the required electronics, ink, and vacuum management components, making the Atom a completely portable integrated solution.

ATOM

The Atom printer comes with Ethernet and serial connectors that accept standard serial data in either .csv or LF/FF formats. Layout, setup, and print/image information can be sent from a PC or laptop equipped with Buskro's Compose IQ V10 or other third-party management software. For added flexibility, the Atom can also receive data from other controllers, vision systems, scanners, or other devices capable of serial communication.

ATOM HYBRID

Buskro's Atom Hybrid is a newer and more powerful hybrid version that offers all of the capabilities of standard Buskro inkjet controllers, with the lower cost and simplicity associated with the Atom print systems.

The Hybrid Atom printer communicates directly with a standard PC module (p/n BK-PCM-8) equipped with the latest version of Compose, via a special hybrid cable. In this mode of operation, the Atom achieves the full functionality of Compose, including rotatable print orientation, product tracking, and the advanced licences, such as OCR and PDF.

A standard Atom printer can be upgraded to the hybrid model with ease. Optional Compose licences can also be added when a PC Module is present.

LOW-COST IMAGES, FLEXIBILITY, AND CONVENIENCE

The Atom offers a variety of inks, all of which are supplied in a 375ml self-sealing bottle that snaps into place, supplying pumped and filtrated ink directly to the arrays via a short ink path. With a choice of solvent or UV-curable inks, the Atom produces crisp, high-quality images at high speeds on even the most challenging substrates, all at significantly lower ink cost than comparable TIJ-based inks.

Standard Atom vs. Hybrid Feature Comparison

Description	1025	2530	5130*
SYSTEM			
Print Swath	1" (25.4mm)	2.55" (64.8mm)	5.1"(129.5mm)
Vertical DPI	256	300	300
Horizontal DPI	100, 200 300, 400, 600		
Print Technology	Piezo – DOD, 30 ng drop		
Print Speed	Up to 890 fpm (4.6 m/s)		
Mount	BK230M, 2 X 30mm Ø shaft, vertical release		
Dimensions (L, W, H)	17.8" x 9.3" x 17.4" 452mm x 236mm x 442mm		17.8" x 9.3" x 17.4" 452mm x 236mm x 442mm
Weight	28.4 lbs (12.9 kg)	28.4 lbs (12.9 kg)	33.4 lbs (15.1 kg)
INK			
Ink Chemistry	Solvent, UV-Curable		
Ink Choice	Renoir (UV), Monet (solvent), Cezanne (Quick-dry solvent)		
Ink Bottle	375 mL, self-sealing		
Ink Delivery	Active management: pumped, filtered, de-gassed, meniscus control c/w level-sensing		
SOFTWARE/COMMUNICATION			
Software	Standard:	Compose V10 Layout and/or Data	
	Hybrid:	Compose V10/c/w Atlas or Master license	
Communicaton	Standard:	Serial (RS232) or Ethernet Adapter	
	Hybrid:	Hybrid Cable	
Delimiters	Standard:	Line Feed (LF) (field), Form Feed (FF) (record)	
	Hybrid:	User Selectable	
Baud Rate	Standard:	115,200	
	Hybrid:	User Selectable	
Data/Stop/Parity	Standard:	8/1/Even	
	Hybrid:	User Selectable	

*5130 only available as hybrid

Specifications

SOFTWARE FEATURES	ATOM HYBRID/W COMPOSE V10	STD ATOM
File Format	☼	☼
Multiple formats including Access, Excel, CSV, text and dbase	☼	☼
Multipage PDF Rip	☼	
PRODUCT LAYOUT AND DESIGN		
Import PDF page background	☼	
Duplex printing layouts	☼	
Text in any true-type/open-type font	☼	☼
Rotated text	☼	
Barcode generation for most popular symbologies	☼	☼
Multiple graphic file support	☼	☼
Variable graphic support	☼	
Asian character set support	☼	
STANDARD SORT CONTROL	☼	☼
Combine variable and fixed text elements	☼	☼
Ink cost estimator	☼	
ADVANCED FEATURES		
Read/print/verification	☼	
Advanced sort/compensation stack control	☼	
Multi-zone tracking	☼	
Simple search and reprint functions	☼	☼
Third-party device control	☼	
Audit reports	☼	
Duplicate print lock out	☼	
Definable password access levels	☼	

ABOUT BUSKRO

Founded in 1976, Buskro has evolved into an industry leader in the design and manufacture of high quality printing, tabbing/labelling and card processing equipment to meet a broad range of customer needs. Innovation is the key to everything we produce. Our approach of using the latest technology, along with an open architecture, allows our products to meet your current needs and adapt to your future requirements. Buskro equipment features heavy-duty construction from top to bottom, plus design details that promote years of trouble-free operation. Our commitment to innovation has produced solutions that have not only set the standard, but raised the bar for over 40 years. Working with Buskro's global network of distribution partners, we take pride in providing quality service and support for all of our products, including our legacy technologies. When you consider your needs – the ones you face today and the unknown challenges of tomorrow, and then compare Buskro's total value proposition of price, flexibility, quality and durability... Buskro is hard to beat!